Figure 1a

Figure 1b

Figure 1c

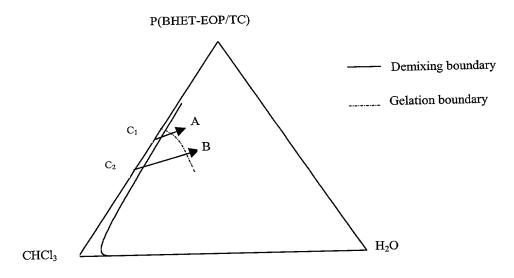


Figure 2a

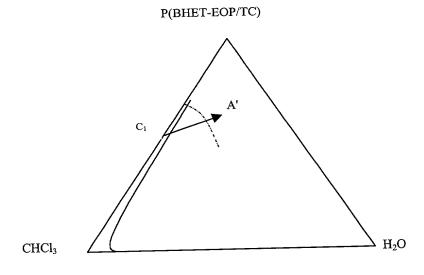


Figure 2b

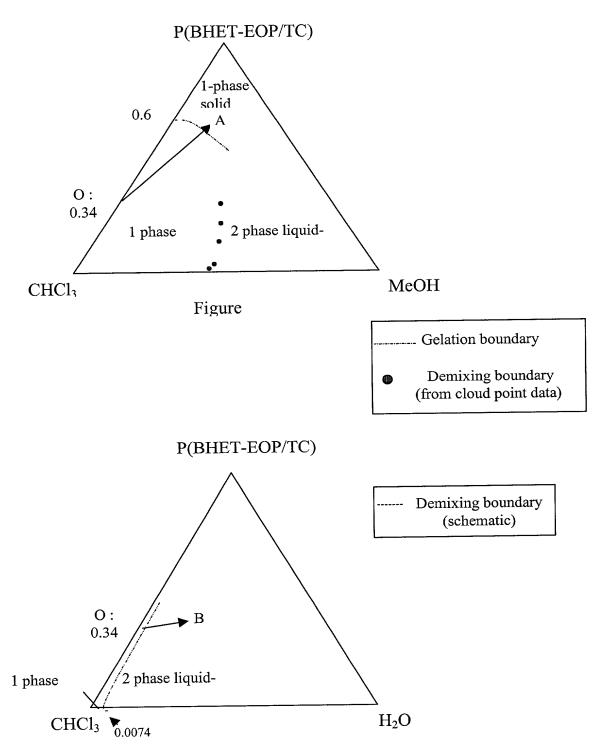


Figure 3b

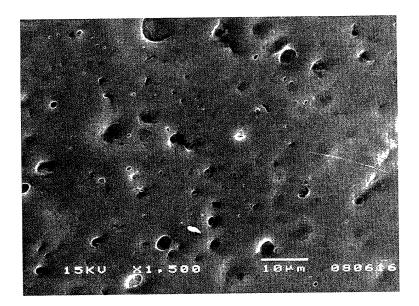


Figure 4a

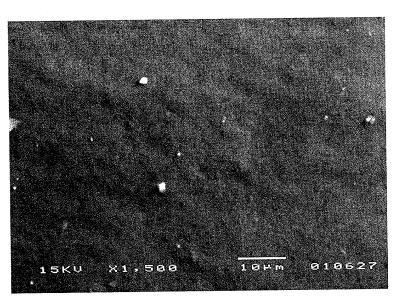


Figure 4b

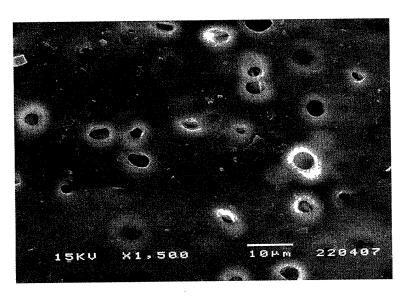


Figure 4c

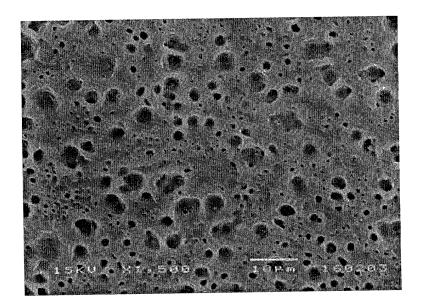


Figure 5a

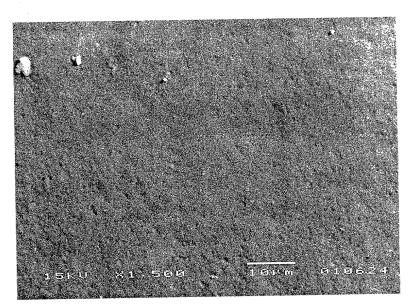


Figure 5b

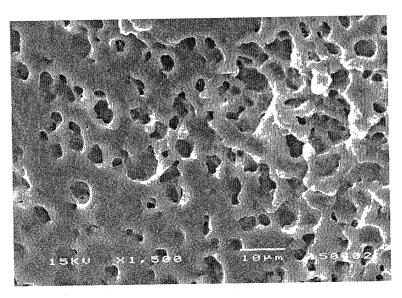


Figure 5c

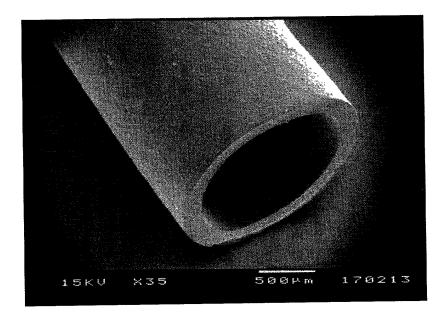


Figure 6

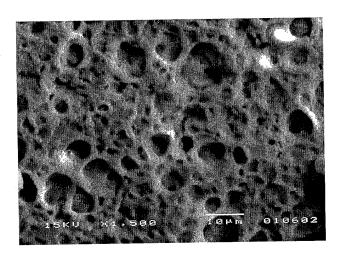


Figure 7a

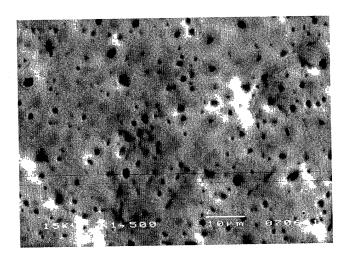


Figure 7b

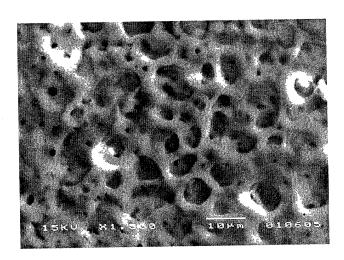
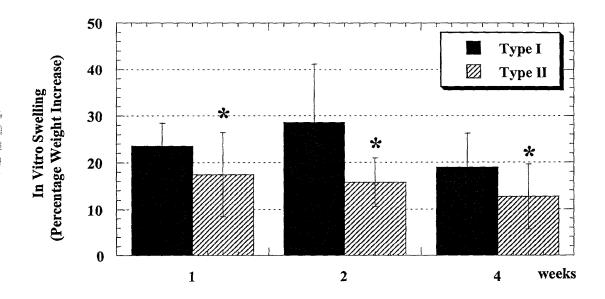


Figure 7c



Fig. 8A

Fig. 8B



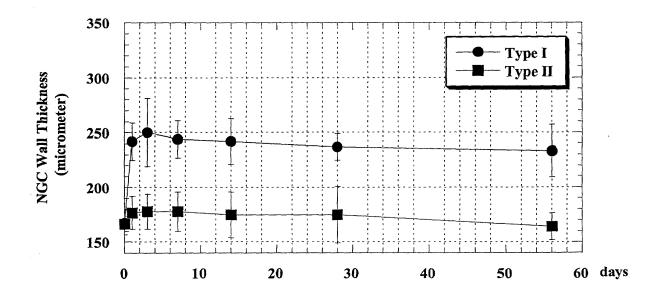
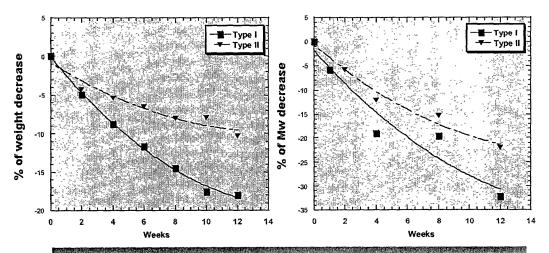


Fig. 10: In vitro degradation of PPE nerve guide conduits



Weight loss and decrease of weight-average molecular weight in a time-dependant manner under a physiological condition

Fig 11

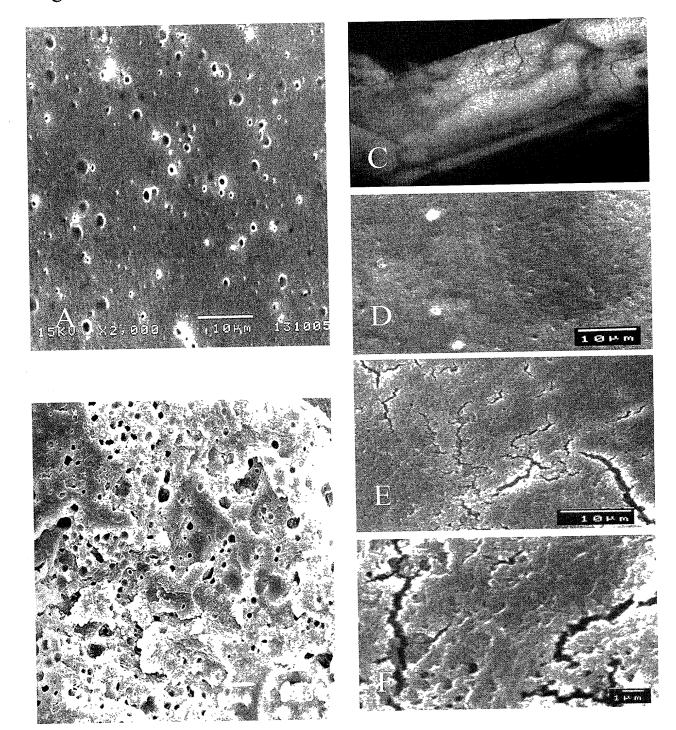
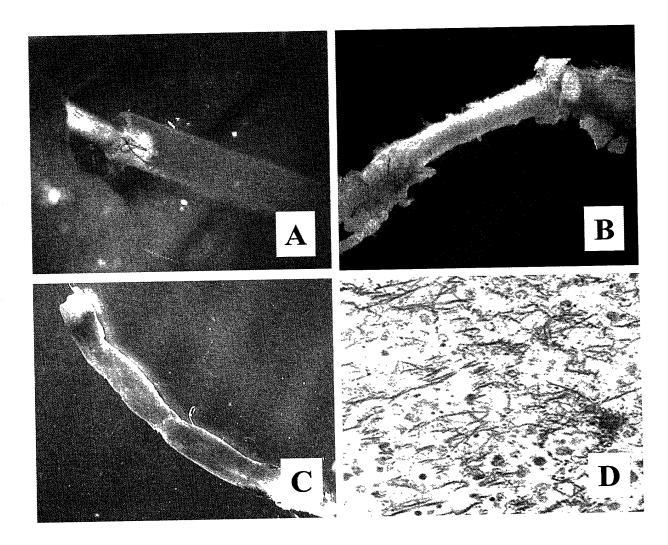
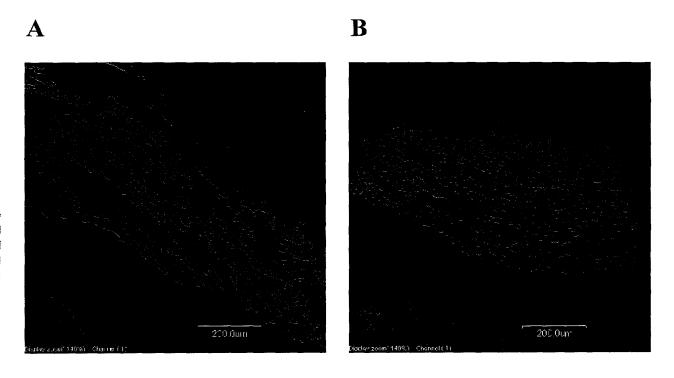


Fig. 12





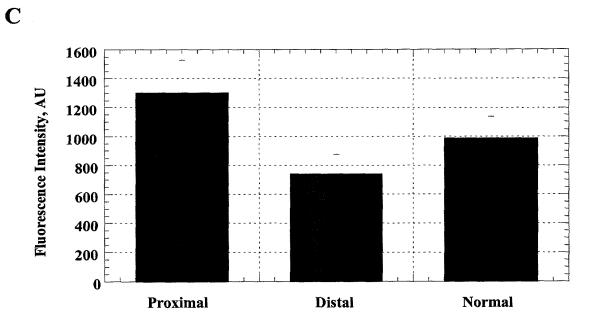
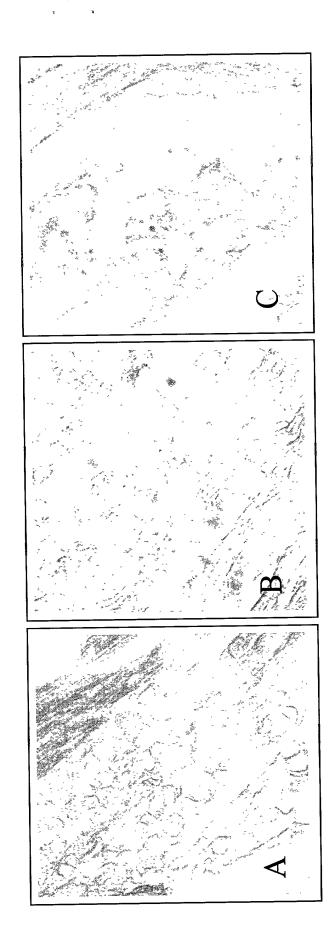


Fig 14:



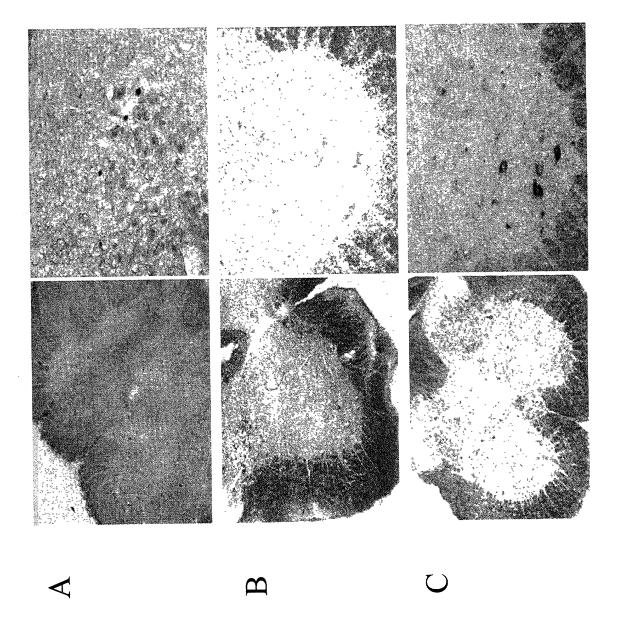
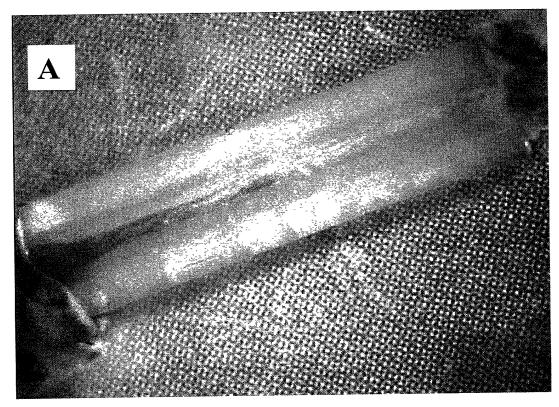


Fig. 15

Fig. 16



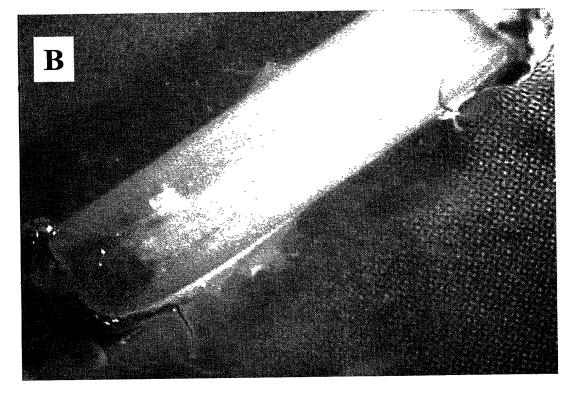
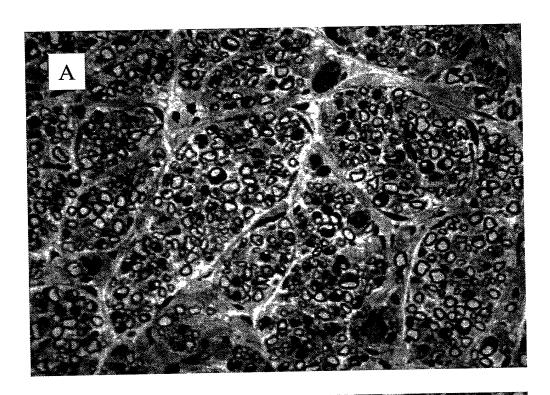


Fig 17:



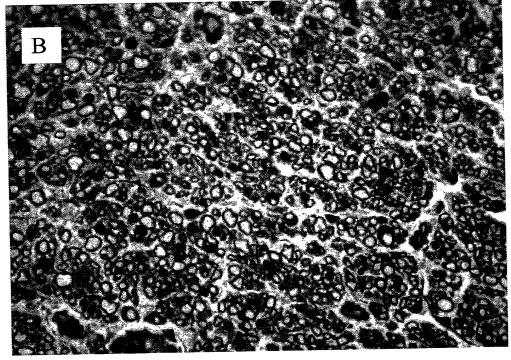


Fig. 18

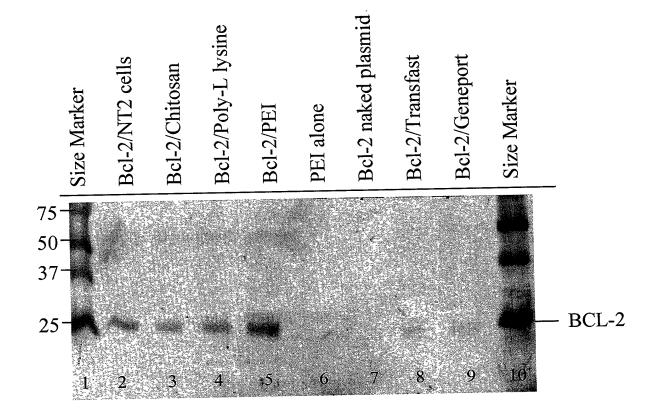
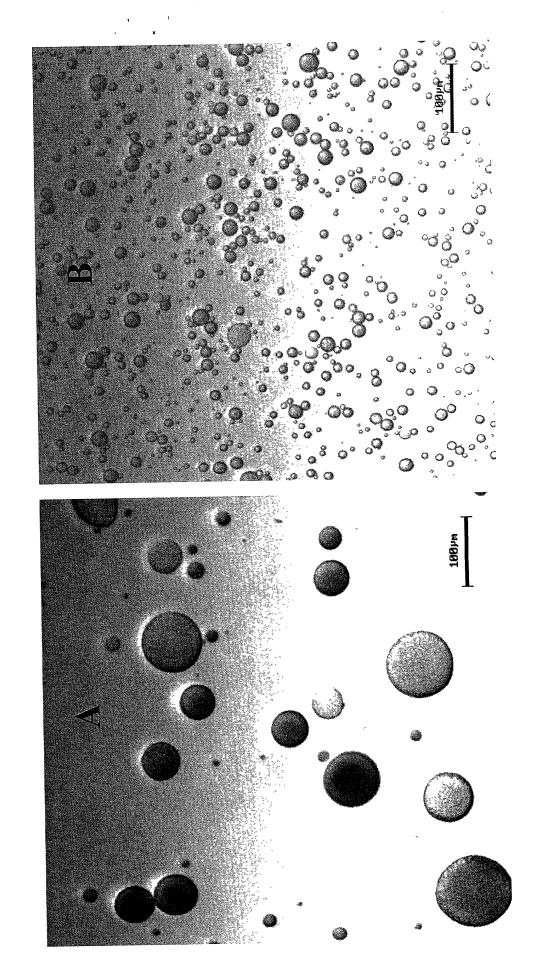
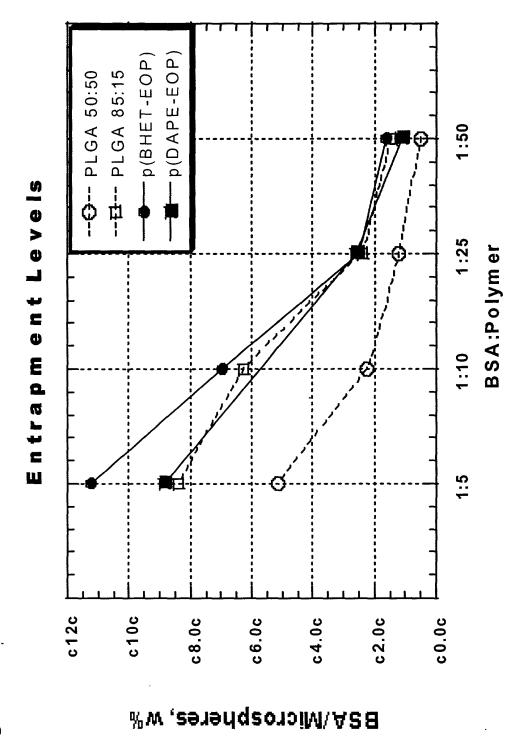


Fig. 19



Conduit Wall

Fig. 21:



Cumulative BSA release from various of microspheres 口 -PLGA50:50 stablised with 10% PVA 80 09 40

BSA cumulative release (%)

days

80

9

40

20

-- p(BHET-EOP)

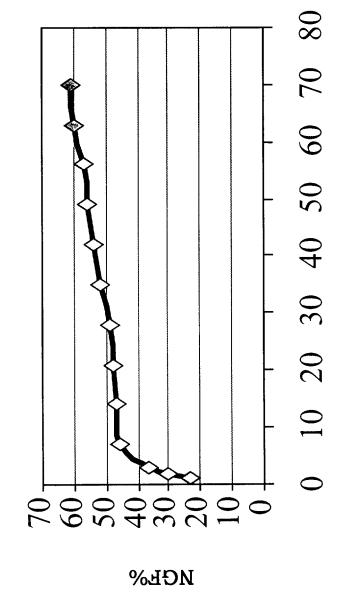
-⊟— PLGA85:15

20

- T - p(DAPE-EOP)



In vitro study of NGF release from microspheres



Time(days)

Fig. 23



 \mathbf{m}

Fig 24